

B1 13. An isolated DNA which encodes a membrane-type matrix-metalloproteinase, comprising amino acid sequences from amino acid numbers 160 to 173, 320 to 333 and from 498 to 512 and a continuous sequence of hydrophobic amino acids peculiar to membrane-binding proteins from amino acid number 533 to 562 in the C terminus domain shown in SEQ ID NO: 1.

14. A plasmid containing the isolated DNA according to any one of claims 13 or 23-26.

15. A host cell transformed with a plasmid according to claim 14.

Please add the following new claims 23-26.

B2 --23. An isolated DNA which encodes a membrane-type matrix metalloproteinase comprising amino acid sequences from amino acid numbers 1 to 173, 320 to 333, 498 to 512 and 563 to 582 and a continuous sequence of hydrophobic amino acids peculiar to membrane-binding proteins from amino acid number 533 to 562 in the C terminus domain shown in SEQ ID NO: 1.

24. An isolated DNA which encodes a protein having the amino acid sequence shown in SEQ ID NO:1.

Cont
B2

25. An isolated DNA having the nucleotide sequence shown in
SEQ ID NO:2.

26. An isolated DNA which hybridizes to the isolated DNA of
claim 25 under stringent conditions of hybridization at 42°C in the
presence of 50% formamide and washing at 68°C in the presence of
0.15M NaCl.--
